

AMENDMENT TO THE CLAIMS:

Please cancel claims 1 and 8 without prejudice or disclaimer.

Please amend claim 2-6 as follows:

1. (Cancelled)
2. (Currently Amended) The linear motor coil assembly according to claim 5 4, wherein the flat cooling tube has a plurality of clearance holes for passing coolant, said clearance holes being formed in a direction parallel to the coil axes.
3. (Currently Amended) The linear motor coil assembly according to claim 5 4, wherein the flat cooling tube comprises a plurality of round pipes for passing coolant, said pipes being aligned and attached in a direction parallel to the coil axes.
4. (Currently Amended) The linear motor coil assembly according to claim 5 4, wherein the flat cooling tube has interleaved folds at least equal in number to the number of coils.
5. (Currently Amended) The linear motor coil assembly according to claim 4 A
linear motor coil assembly for developing linear motion, comprising:
a plurality of coils arranged in a line in a direction of movement, each coil having an
associated coil axis, said coil axes being perpendicular to the direction of motion; and

a flat cooling tube, said cooling tube having a cross section elongated in a direction parallel to the coil axes and folds into which said coils are adapted to engage, said cooling tube meandering inside the plurality of coils,

wherein the elongated cross section of the flat cooling tube is substantially the same as, or slightly larger than, the length of the coils in an axial direction.

6. (Currently Amended) The linear motor coil assembly according to claim 5 4, further comprising cores, divided for each coil, around which the coils are wound.

7. (Original) The linear motor coil assembly according to claim 6, further comprising a base plate, the cores being fixed to the base plate in a line generally parallel to the direction of motion.

8. (Cancelled)